

Abstract

An automated synthesis apparatus for carrying out chemical reactions with reflux cooling
5 comprising one or more reactor modules (2) each having one reactor (3), one or more feed
vessels (4) each for a liquid reactant or reactant mixture and also one or more metering and
feed devices (5) for the introduction of liquid reactant or reactant mixture from the feed
vessel (the feed vessels) (4) into the reactor (3), wherein each reactor (3) has a lid (13)
which is configured as a hollow body and encloses a hollow space (14), with an inlet line
10 (15) and an outlet line (16) for a heat transfer medium into or out of the hollow space (14)
and with one or more through-lines for introduction of each liquid reactant or reactant
mixture into the reactor (3), is proposed.

(Figure 2)